FIG. 1

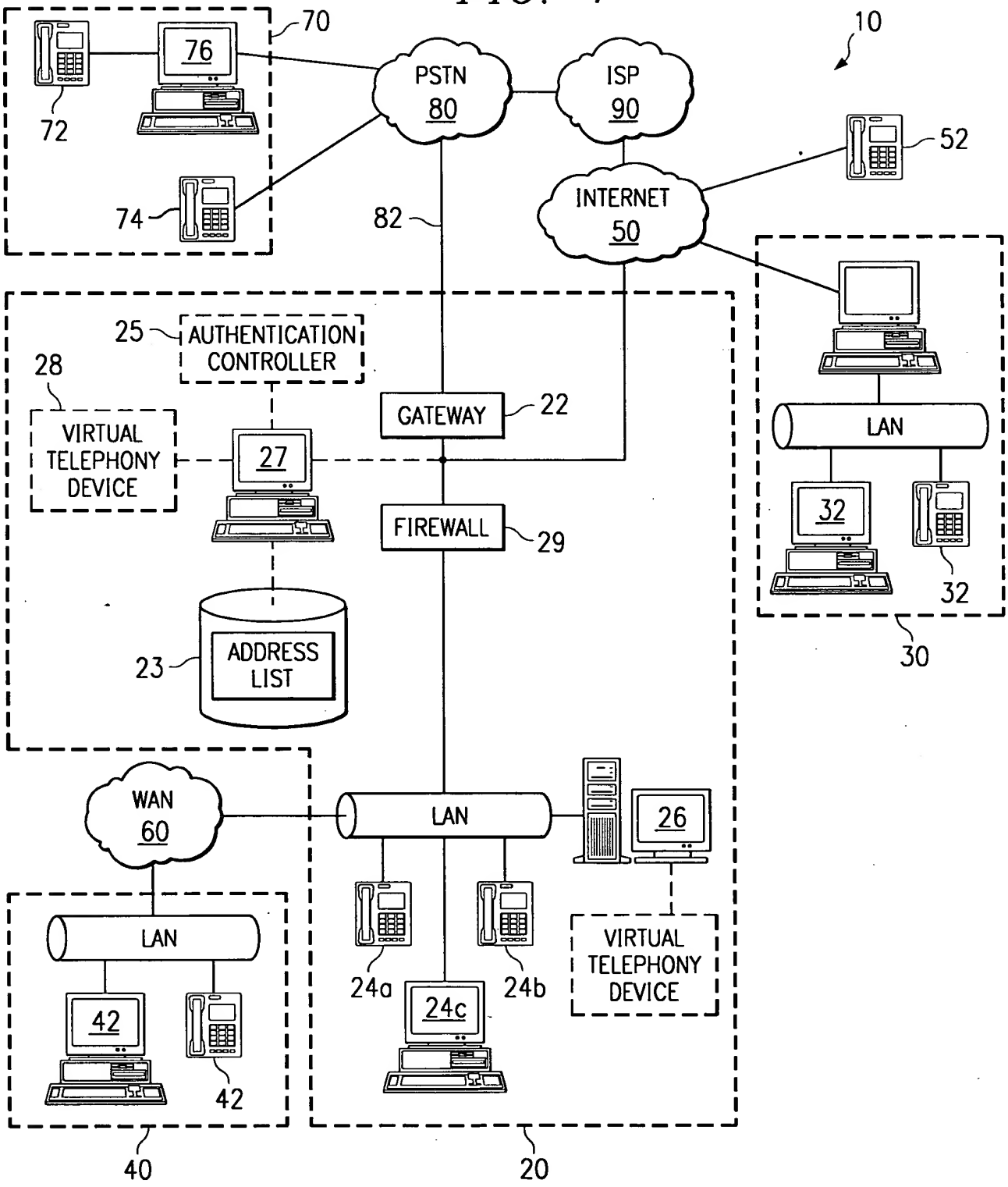

70
76
72
74
PSTN
80
ISP
90
10
52
INTERNET
50
82
25
AUTHENTICATION
CONTROLLER
28
VIRTUAL
TELEPHONY
DEVICE
27
GATEWAY
22
FIREWALL
29
LAN
32
32
30
23
ADDRESS
LIST
WAN
60
LAN
26
LAN
42
42
40
24a
24c
24b
VIRTUAL
TELEPHONY
DEVICE
20

FIG. 2

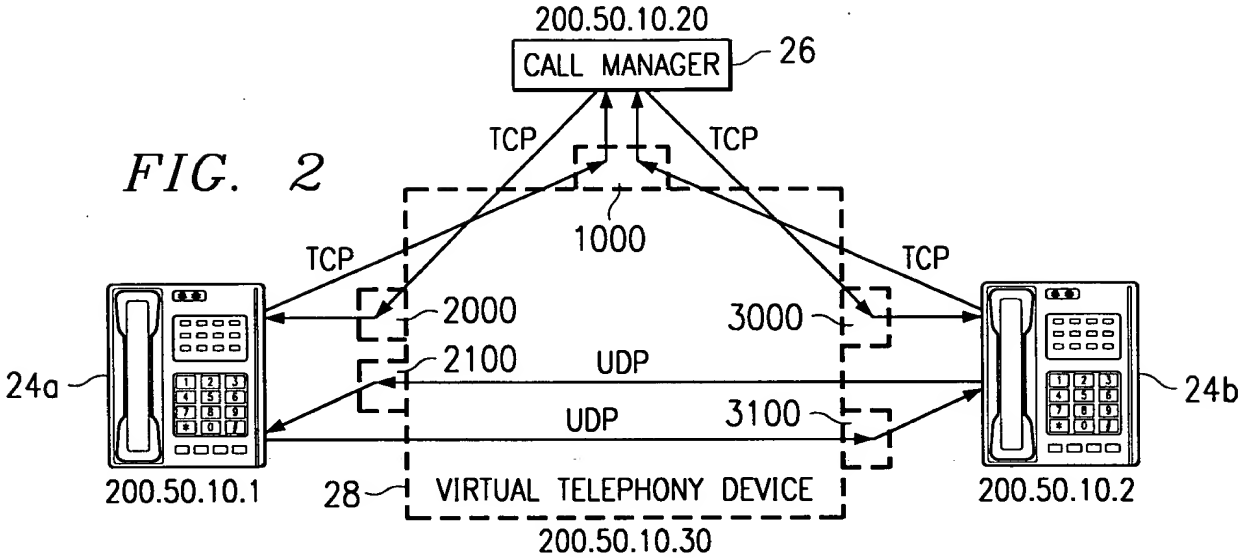
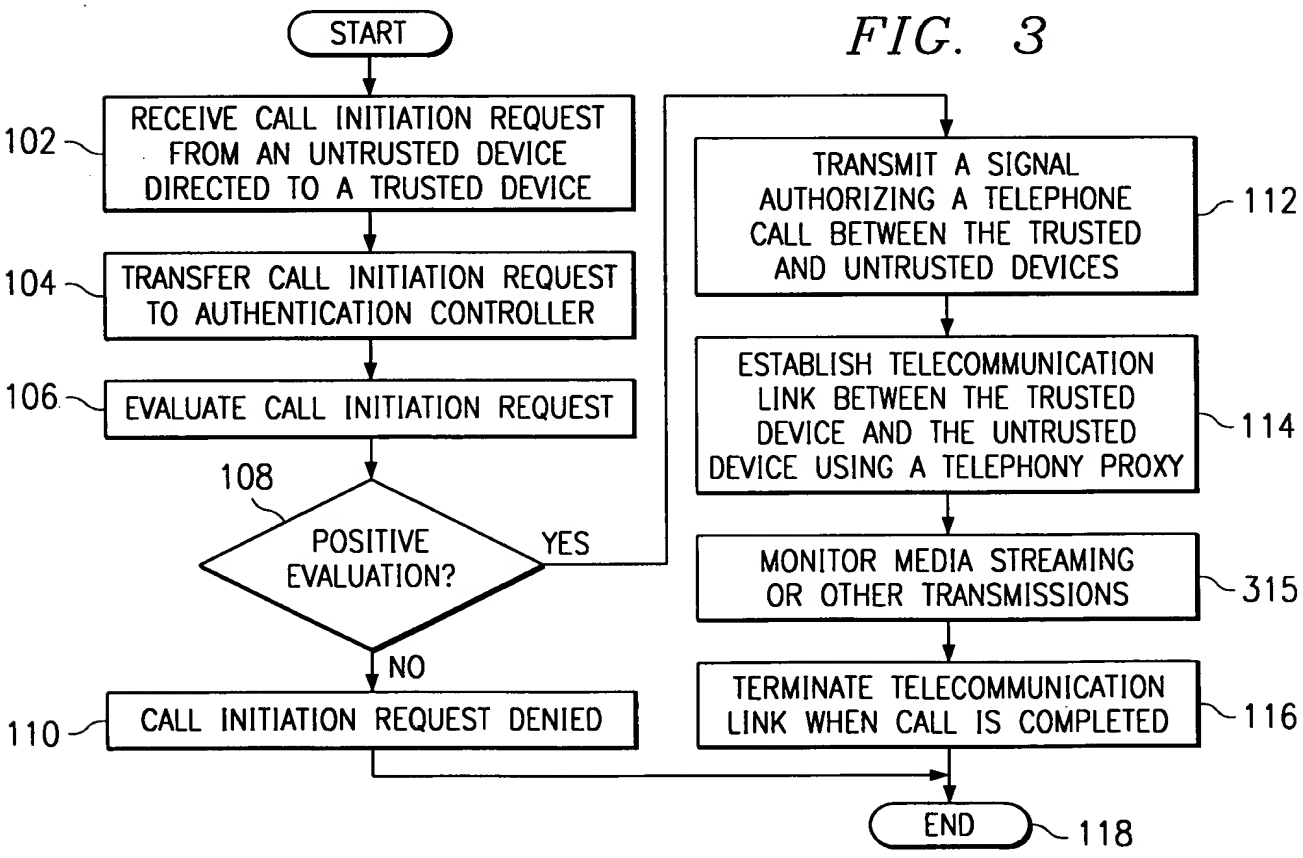

200.50.10.20
CALL MANAGER
26
TCP
TCP
1000
TCP
TCP
2000
3000
2100
UDP
24a
24b
UDP
3100
200.50.10.1
28
VIRTUAL TELEPHONY DEVICE
200.50.10.2
200.50.10.30

FIG. 3


START
102
RECEIVE CALL INITIATION REQUEST FROM AN UNTRUSTED DEVICE DIRECTED TO A TRUSTED DEVICE
104
TRANSFER CALL INITIATION REQUEST TO AUTHENTICATION CONTROLLER
106
EVALUATE CALL INITIATION REQUEST
108
POSITIVE EVALUATION?
YES
NO
110
CALL INITIATION REQUEST DENIED
TRANSMIT A SIGNAL AUTHORIZING A TELEPHONE CALL BETWEEN THE TRUSTED AND UNTRUSTED DEVICES
112
ESTABLISH TELECOMMUNICATION LINK BETWEEN THE TRUSTED DEVICE AND THE UNTRUSTED DEVICE USING A TELEPHONY PROXY
114
MONITOR MEDIA STREAMING OR OTHER TRANSMISSIONS
315
TERMINATE TELECOMMUNICATION LINK WHEN CALL IS COMPLETED
116
END
118